

Eastern Research Group 601 Keystone Park Drive Suite 700 Morrisville, NC 27560

December 12, 2019

Mr. Benjamin Chandler GHD Services Inc. 11719 Hinson Road, Suite 100 Little Rock, AR 72223 Project Name: Village of Gurnee

Dear Mr. Benjamin Chandler,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/26/19 10:56 through 12/03/19 11:56.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift Program Manager julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify <a href="mailto:julie.swift@erg.com">julie.swift@erg.com</a> and delete the report without retaining any copies.



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926 **FAX:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

AQS SITE CODE:

SITE CODE: Village of Gurnee

#### **ANALYTICAL REPORT FOR SAMPLES**

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	Received
11197130-V1-10	9112601-01	Air	11/22/19 23:59	11/26/19 10:56
11197130-V2-10	9112601-02	Air	11/22/19 23:59	11/26/19 10:56
11197130-V3-10	9112601-03	Air	11/22/19 23:59	11/26/19 10:56
11197130-V4-10	9112601-04	Air	11/22/19 23:59	11/26/19 10:56
11197130-V5-10	9112601-05	Air	11/22/19 23:59	11/26/19 10:56
11197130-M1-10	9112601-06	Air	11/22/19 23:59	11/26/19 10:56
11197130-M2-10	9112601-07	Air	11/22/19 23:59	11/26/19 10:56
11197130-M3-10	9112601-08	Air	11/22/19 23:59	11/26/19 10:56
11197130-M4-10	9112601-09	Air	11/22/19 23:59	11/26/19 10:56
11197130-M5-10	9112601-10	Air	11/22/19 23:59	11/26/19 10:56
11197130-R1-10	9112601-11	Air	11/22/19 23:59	11/26/19 10:56
11197130-R2-10	9112601-12	Air	11/22/19 23:59	11/26/19 10:56
11197130-V1-11	9112713-01	Air	11/25/19 23:59	11/27/19 12:07
11197130-V2-11	9112713-02	Air	11/25/19 23:59	11/27/19 12:07
11197130-V3-11	9112713-03	Air	11/25/19 23:59	11/27/19 12:07
11197130-V4-11	9112713-04	Air	11/25/19 23:59	11/27/19 12:07
11197130-V5-11	9112713-05	Air	11/25/19 23:59	11/27/19 12:07
11197130-R1-11	9112713-06	Air	11/25/19 23:59	11/27/19 12:07
11197130-R2-11	9112713-07	Air	11/25/19 23:59	11/27/19 12:07
11197130-M1-11	9112713-08	Air	11/25/19 23:59	11/27/19 12:07
11197130-M2-11	9112713-09	Air	11/25/19 23:59	11/27/19 12:07
11197130-M3-11	9112713-10	Air	11/25/19 23:59	11/27/19 12:07
11197130-M4-11	9112713-11	Air	11/25/19 23:59	11/27/19 12:07

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

AQS SITE CODE:

<b>PHONE</b> : (501) 224-1926	FAX:		SITE CODE:	Village of Gurnee
11197130-M5-11	9112713-12	Air	11/25/19 23:59	11/27/19 12:07
11197130-R1-12	9120324-01	Air	11/28/19 23:59	12/03/19 11:56
11197130-R2-12	9120324-02	Air	11/28/19 23:59	12/03/19 11:56
11197130-M1-12	9120324-03	Air	11/28/19 23:59	12/03/19 11:56
11197130-M2-12	9120324-04	Air	11/28/19 23:59	12/03/19 11:56
11197130-M3-12	9120324-05	Air	11/28/19 23:59	12/03/19 11:56
11197130-M4-12	9120324-06	Air	11/28/19 23:59	12/03/19 11:56
11197130-M5-12	9120324-07	Air	11/28/19 23:59	12/03/19 11:56
11197130-V1-12	9120324-08	Air	11/28/19 23:59	12/03/19 11:56
11197130-V2-12	9120324-09	Air	11/28/19 23:59	12/03/19 11:56
11197130-V3-12	9120324-10	Air	11/28/19 23:59	12/03/19 11:56
11197130-V4-12	9120324-11	Air	11/28/19 23:59	12/03/19 11:56
11197130-V5-12	9120324-12	Air	11/28/19 23:59	12/03/19 11:56
11197130-M1-13	9120324-13	Air	12/01/19 23:59	12/03/19 11:56
11197130-M2-13	9120324-14	Air	12/01/19 23:59	12/03/19 11:56
11197130-M3-13	9120324-15	Air	12/01/19 23:59	12/03/19 11:56
11197130-M4-13	9120324-16	Air	12/01/19 23:59	12/03/19 11:56
11197130-M5-13	9120324-17	Air	12/01/19 23:59	12/03/19 11:56
11197130-V1-13	9120324-18	Air	12/01/19 23:59	12/03/19 11:56
11197130-V2-13	9120324-19	Air	12/01/19 23:59	12/03/19 11:56
11197130-V3-13	9120324-20	Air	12/01/19 23:59	12/03/19 11:56
11197130-V4-13	9120324-21	Air	12/01/19 23:59	12/03/19 11:56
11197130-V5-13	9120324-22	Air	12/01/19 23:59	12/03/19 11:56
11197130-R1-13	9120324-23	Air	12/01/19 23:59	12/03/19 11:56
11197130-R2-13	9120324-24	Air	12/01/19 23:59	12/03/19 11:56

Eastern Research Group

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V1-10

Pressure @ Receipt: 4.50" Hg

Lab ID:

0.40

9112601-01

Canister #: SAT101

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 02:20

Sampled: 11/22/19 23:59

Air Toxics by EPA Compendium Method TO-15

**Results** ppbv ug/m³

0.219

<u>Flag</u>

**MDL** ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V2-10

Pressure @ Receipt: 7.00" Hg

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/22/19 23:59 **Received:** 11/26/19 10:56

**Analyzed:** 12/03/19 03:08

Air Toxics by EPA Compendium Method TO-15

9112601-02

**Results** ppbv ug/m³

**MDL** <u>Flag</u>

Canister #: SAT166

Ethylene oxide 0.125

0.23

Lab ID:

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V3-10

Pressure @ Receipt: 5.50" Hg

**Comments:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/22/19 23:59 **Received:** 11/26/19 10:56

**Analyzed:** 12/03/19 03:56

Air Toxics by EPA Compendium Method TO-15

9112601-03

**Results** ppbv ug/m³

**MDL** <u>Flag</u>

Ethylene oxide

**Analyte** 

0.0272

0.05

LK

Canister #: SAT070

Lab ID:

ppbv 0.0250

Eastern Research Group

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V4-10

Pressure @ Receipt: 6.50" Hg

Lab ID:

9112601-04

Canister #: SAT058

Village of Gurnee

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 13:45

Sampled: 11/22/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** 

<u>Flag</u>

**Analyte** Ethylene oxide

**Comments:** 

ppbv ug/m³ 0.199

0.36

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V5-10

Pressure @ Receipt: 5.50" Hg

**Results** 

0.110

ppbv ug/m³

Lab ID:

9112601-05

**Canister #:** 5076

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/22/19 23:59

**Received:** 11/26/19 10:56

**Analyzed:** 12/03/19 14:33

Air Toxics by EPA Compendium Method TO-15 **MDL** 

<u>Flag</u>

LK

0.20

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**Description:** 11197130-M1-10

Pressure @ Receipt: 3.50" Hg

**PHONE:** (501) 224-1926

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/22/19 23:59

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 15:22

Air Toxics by EPA Compendium Method TO-15

9112601-06

**Results** 

<u>Flag</u>

Canister #: SAT118

Lab ID:

LK

**Analyte** Ethylene oxide

**Comments:** 

ppbv ug/m³ 0.161

0.29

ppbv 0.0250

**MDL** 



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M2-10

Pressure @ Receipt: 4.50" Hg

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/22/19 23:59 **Received:** 11/26/19 10:56

**Analyzed:** 12/03/19 16:10

Air Toxics by EPA Compendium Method TO-15

9112601-07

**Results** 

**MDL** <u>Flag</u>

Canister #: SAT111

ppbv ug/m³ 0.344

0.62

Lab ID:

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M3-10

Pressure @ Receipt: 4.00" Hg

Lab ID:

9112601-08

Canister #: SAT153

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 16:58

Sampled: 11/22/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.16

0.0882

<u>Flag</u>

LK

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M4-10

Pressure @ Receipt: 4.50" Hg

Lab ID:

9112601-09

Canister #: SAT057

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Analyzed:** 12/03/19 17:46

Sampled: 11/22/19 23:59

**Received:** 11/26/19 10:56

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** 

0.178

ppbv ug/m³

0.32

<u>Flag</u>

ppbv 0.0250



FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 5.50" Hg

**Description:** 11197130-M5-10

Lab ID:

9112601-10 Canister #: SAT011

Village of Gurnee

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 18:35

Sampled: 11/22/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

0.0906

0.16

LK

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926 **Description:** 11197130-R1-10

Pressure @ Receipt: 7.00" Hg

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

Lab ID: 9112601-11 Sampled: 11/22/19 23:59 Canister #: SAT081 **Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 19:23

Air Toxics by EPA Compendium Method TO-15

**MDL Results** ppbv ug/m³ ppbv <u>Flag</u> 0.0966 0.17 0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 6.50" Hg

**Description:** 11197130-R2-10

Lab ID:

9112601-12

Canister #: SAT145

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Received:** 11/26/19 10:56 **Analyzed:** 12/03/19 20:12

Sampled: 11/22/19 23:59

Air Toxics by EPA Compendium Method TO-15

**Results** ppbv ug/m³

0.18

0.0968

<u>Flag</u>

LK

**MDL** ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 7.00" Hg

**Comments:** 

**Description:** 11197130-V1-11

**Results** 

0.0832

ppbv ug/m³

0.15

Lab ID:

9112713-01

**Canister #:** A21045

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/25/19 23:59

Received: 11/27/19 12:07

**Analyzed:** 12/05/19 02:55

Air Toxics by EPA Compendium Method TO-15 **MDL** ppbv

<u>Flag</u> LK 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 9.00" Hg

**Description:** 11197130-V2-11

**Results** 

0.197

ppbv ug/m³

0.36

Lab ID:

9112713-02

Canister #: SAT125

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/25/19 23:59

Received: 11/27/19 12:07

Analyzed: 12/05/19 03:44

Air Toxics by EPA Compendium Method TO-15 **MDL** 

> ppbv <u>Flag</u> LK 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V3-11

Pressure @ Receipt: 7.50" Hg

**Comments:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/25/19 23:59

Received: 11/27/19 12:07 **Analyzed:** 12/05/19 04:32

Air Toxics by EPA Compendium Method TO-15

9112713-03

**Results** ppbv ug/m³

0.158

0.29

<u>Flag</u>

LK

**Canister #:** A21097

Lab ID:

**MDL** ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE**: (501) 224-1926

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

 Description:
 11197130-V4-11
 Lab ID:
 9112713-04
 Sampled: 11/25/19 23:59

 Pressure @ Receipt:
 8.50" Hg
 Canister #:
 A21028
 Received: 11/27/19 12:07

 Comments:
 Analyzed: 12/05/19 05:21

Air Toxics by EPA Compendium Method TO-15



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V5-11

Pressure @ Receipt: 7.00" Hg

**Comments:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

**Analyzed:** 12/05/19 06:09

Air Toxics by EPA Compendium Method TO-15

9112713-05

**Results** ppbv ug/m³

0.14

0.0746

<u>Flag</u>

LK

**Canister #:** A21081

Lab ID:

**MDL** ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-R1-11

Pressure @ Receipt: 9.00" Hg

**Comments:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

**Analyzed:** 12/05/19 06:58

Air Toxics by EPA Compendium Method TO-15 **MDL** 

9112713-06

**Results** ppbv ug/m³

<u>Flag</u>

LK

**Canister #:** 5139

Lab ID:

0.0950

0.17

ppbv 0.0250

Eastern Research Group

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 8.00" Hg

**Description:** 11197130-R2-11

Lab ID:

9112713-07

Canister #: SAT097

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

**Analyzed:** 12/05/19 07:47

Air Toxics by EPA Compendium Method TO-15

**Results** ppbv ug/m³

**MDL** <u>Flag</u>

0.134

0.24

LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M1-11

Pressure @ Receipt: 5.00" Hg

**REPORTED:** 12/12/19 14:45

FILE #: 4210.00

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

**Analyzed:** 12/05/19 08:35

Air Toxics by EPA Compendium Method TO-15

9112713-08

**Results** ppbv ug/m³

0.175

0.32

**Canister #:** A21006

Lab ID:

<u>Flag</u>

ppbv 0.0250

**MDL** 

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Comments:** 

**Description:** 11197130-M2-11

Pressure @ Receipt: 6.00" Hg

Lab ID:

9112713-09

Canister #: SAT016

Received: 11/27/19 12:07

**Analyzed:** 12/05/19 16:46

Sampled: 11/25/19 23:59

Air Toxics by EPA Compendium Method TO-15

**Results** ppbv ug/m³

0.24

0.132

<u>Flag</u> LK

**MDL** ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M3-11

Pressure @ Receipt: 7.00" Hg

Lab ID:

**Canister #:** 5126

9112713-10

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

Analyzed: 12/05/19 17:34

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.20

0.110

<u>Flag</u>

LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**Description:** 11197130-M4-11

**PHONE:** (501) 224-1926

Pressure @ Receipt: 7.00" Hg

Lab ID:

9112713-11

**Canister #:** 19642

Village of Gurnee

Sampled: 11/25/19 23:59 Received: 11/27/19 12:07

**Analyzed:** 12/05/19 18:23

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

0.335

0.61

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 8.00" Hg

**Description:** 11197130-M5-11 Lab ID:

**Results** 

Canister #: SAT014

9112713-12

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/25/19 23:59

Received: 11/27/19 12:07

**Analyzed:** 12/05/19 19:11

**MDL** ppbv

ppbv ug/m³ <u>Flag</u> LK 0.27 0.0250 0.147

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-R1-12

Pressure @ Receipt: 7.50" Hg

**Comments:** 

**Analyte** 

Ethylene oxide

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56 **Analyzed:** 12/05/19 21:36

Air Toxics by EPA Compendium Method TO-15

9120324-01

**Results** ppbv ug/m³

0.134

0.24

**MDL** 

<u>Flag</u>

Canister #: SAT108

Lab ID:

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

Pressure @ Receipt: 4.50" Hg

**Description:** 11197130-R2-12

**PHONE:** (501) 224-1926

**Results** 

0.135

ppbv ug/m³

0.24

Lab ID:

9120324-02

**Canister #:** A21086

SITE CODE:

FILE #: 4210.00

**AQS SITE CODE:** 

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56

Analyzed: 12/05/19 22:24

Air Toxics by EPA Compendium Method TO-15 **MDL** 

> ppbv <u>Flag</u> 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

**Analyte** 

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M1-12

Pressure @ Receipt: 3.50" Hg

**Comments:** 

Lab ID: **Canister #:** 19653

9120324-03

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Analyzed:** 12/05/19 23:12

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

Ethylene oxide

0.0444 0.08

ppbv 0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M2-12

Pressure @ Receipt: 4.50" Hg

**Results** 

Canister #: SAT100

Lab ID:

9120324-04

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56

**Analyzed:** 12/06/19 00:00

**MDL** 

ppbv ug/m³ 0.0519 0.09

<u>Flag</u> LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56

**Analyzed:** 12/06/19 00:49

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 4.50" Hg

**Description:** 11197130-M3-12

**Results** 

0.0380

ppbv ug/m³

0.07

**Canister #:** 19285

Lab ID:

Air Toxics by EPA Compendium Method TO-15 **MDL** 

9120324-05

<u>Flag</u>

ppbv 0.0250

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 4.50" Hg

**Description:** 11197130-M4-12

Lab ID:

9120324-06

**Canister #:** 19650

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/28/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/06/19 01:37

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.08

0.0418

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M5-12

Pressure @ Receipt: 6.50" Hg

Lab ID:

9120324-07

**Canister #:** A21096

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Sampled: 11/28/19 23:59 **Received:** 12/03/19 11:56

Village of Gurnee

**Analyzed:** 12/06/19 02:25

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.114

0.21

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 4.50" Hg

**Description:** 11197130-V1-12

0.0454

**Results** 

ppbv ug/m³

0.08

Lab ID:

**Canister #:** 18873

9120324-08

SITE CODE:

FILE #: 4210.00

**AQS SITE CODE:** 

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56

Analyzed: 12/06/19 03:14

Air Toxics by EPA Compendium Method TO-15 **MDL** 

> ppbv <u>Flag</u> 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 6.50" Hg

**Description:** 11197130-V2-12

0.0471

Lab ID:

9120324-09

**Canister #:** A21026

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Received:** 12/03/19 11:56 **Analyzed:** 12/06/19 04:03

Sampled: 11/28/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.09

<u>Flag</u> LK

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-V3-12

Pressure @ Receipt: 5.50" Hg

**Comments:** 

Ethylene oxide

**Analyte** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 11/28/19 23:59

**Received:** 12/03/19 11:56 **Analyzed:** 12/06/19 04:51

Air Toxics by EPA Compendium Method TO-15

9120324-10

**Results** ppbv ug/m³

1.28

0.707

<u>Flag</u>

Lab ID:

Canister #: SAT078

ppbv 0.0250

**MDL** 



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

**Description:** 11197130-V4-12 Lab ID: 9120324-11 Sampled: 11/28/19 23:59 Pressure @ Receipt: 5.00" Hg **Canister #:** 5034 **Received:** 12/03/19 11:56 **Comments: Analyzed:** 12/10/19 14:06

Air Toxics by EPA Compendium Method TO-15

**MDL Results Analyte** ppbv ug/m³ ppbv <u>Flag</u> Ethylene oxide 0.29 0.0250 0.159



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**Description:** 11197130-V5-12

Pressure @ Receipt: 4.50" Hg

**Comments:** 

**Analyte** 

Ethylene oxide

**PHONE:** (501) 224-1926

**SUBMITTED:** 11/26/19 to 12/03/19

**REPORTED:** 12/12/19 14:45

**AQS SITE CODE:** 

FILE #: 4210.00

SITE CODE:

Village of Gurnee

Sampled: 11/28/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/10/19 16:15

Air Toxics by EPA Compendium Method TO-15

9120324-12

**Results** ppbv ug/m³

**MDL** <u>Flag</u>

0.132

0.24

Lab ID:

**Canister #:** 5062



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 3.00" Hg

**Description:** 11197130-M1-13

**Canister #:** 5105

**Results** ppbv ug/m³ 0.0468 0.08

Lab ID:

<u>Flag</u> LK

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

Sampled: 12/01/19 23:59

Received: 12/03/19 11:56 **Analyzed:** 12/10/19 17:19

Air Toxics by EPA Compendium Method TO-15

9120324-13

**MDL** 



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 4.50" Hg

**Description:** 11197130-M2-13

Lab ID:

9120324-14

**Canister #:** A21005

**Received:** 12/03/19 11:56

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Analyzed:** 12/10/19 18:23

Sampled: 12/01/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

0.0514

0.09



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-M3-13

Pressure @ Receipt: 4.50" Hg

Lab ID:

9120324-15

Canister #: SAT109

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Analyzed:** 12/10/19 19:28

Sampled: 12/01/19 23:59

**Received:** 12/03/19 11:56

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

0.19

0.107

<u>Flag</u> LK

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 5.50" Hg

**Description:** 11197130-M4-13

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 12/01/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/10/19 20:32

Air Toxics by EPA Compendium Method TO-15

9120324-16

**Results** 

Canister #: SAT176

<u>Flag</u>

Lab ID:

**Analyte** Ethylene oxide

**Comments:** 

ppbv ug/m³ 0.134

0.24

ppbv 0.0250

**MDL** 



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 5.50" Hg

**Description:** 11197130-M5-13

ppbv ug/m³ <u>Flag</u>

Lab ID:

0.20

0.110

LK

**Canister #:** 5081

SITE CODE:

FILE #: 4210.00

**AQS SITE CODE:** 

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 12/01/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/10/19 21:36

Air Toxics by EPA Compendium Method TO-15

9120324-17

**MDL Results** 



FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 5.50" Hg

**Description:** 11197130-V1-13

Lab ID:

9120324-18

**Canister #:** 18830

Village of Gurnee

Sampled: 12/01/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/10/19 22:40

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

0.0443

0.08

LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 7.00" Hg

**Description:** 11197130-V2-13

Lab ID:

**Results** 

0.0765

ppbv ug/m³

0.14

9120324-19

**Canister #:** A21056

**Analyzed:** 12/10/19 23:45

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 12/01/19 23:59

**Received:** 12/03/19 11:56

Air Toxics by EPA Compendium Method TO-15 **MDL** 

0.0250

ppbv <u>Flag</u> LK

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Comments:** 

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 6.00" Hg

**Description:** 11197130-V3-13

0.125

**Results** 

ppbv ug/m³

0.23

Lab ID: **Canister #:** 18879

<u>Flag</u>

9120324-20

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

Sampled: 12/01/19 23:59

**Received:** 12/03/19 11:56

**Analyzed:** 12/11/19 00:49

**MDL** 

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 6.50" Hg

**Description:** 11197130-V4-13

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE:

Village of Gurnee

Sampled: 12/01/19 23:59 **Received:** 12/03/19 11:56

**Analyzed:** 12/11/19 01:54

Air Toxics by EPA Compendium Method TO-15

9120324-21

**Results** ppbv ug/m³

0.13

0.0741

<u>Flag</u>

LK

Canister #: SAT117

Lab ID:

**MDL** ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

**Analyte** 

Ethylene oxide

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

Pressure @ Receipt: 5.00" Hg

**Comments:** 

**Description:** 11197130-V5-13

Canister #: A21084

Lab ID:

9120324-22

Village of Gurnee

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**Received:** 12/03/19 11:56 **Analyzed:** 12/11/19 02:58

Sampled: 12/01/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

ppbv

0.0250

**Results** ppbv ug/m³

0.13

0.0693

<u>Flag</u> LK

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**FILE #:** 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

 Description:
 11197130-R1-13
 Lab ID:
 9120324-23
 Sampled:
 12/01/19 23:59

 Pressure @ Receipt:
 7.00" Hg
 Canister #:
 SAT071
 Received:
 12/03/19 11:56

 Comments:
 Analyzed:
 12/11/19 04:03

**Air Toxics by EPA Compendium Method TO-15** 



GHD Services Inc.

**Comments:** 

**Analyte** 

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

**PHONE:** (501) 224-1926

**Description:** 11197130-R2-13

Pressure @ Receipt: 6.50" Hg

Lab ID:

9120324-24

Canister #: SAT074

FILE #: 4210.00

**AQS SITE CODE:** 

SITE CODE:

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

Village of Gurnee

**Received:** 12/03/19 11:56 **Analyzed:** 12/11/19 05:08

Sampled: 12/01/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL** 

**Results** ppbv ug/m³

<u>Flag</u>

0.0670

0.12

ppbv 0.0250

Eastern Research Group

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Little Rock, AR 72223

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**PHONE:** (501) 224-1926 **FAX:** 

FILE #: 4210.00

**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

Analyte	Result	Units	Source Result RPD		RPD Limit	Notes
<b>Air Toxics by EPA Compendium Metl</b> <i>Batch B9L0205 - Summa Canister Prep</i>	nod TO-15	- Quality Control				
Blank (B9L0205-BLK1)			Prepared: 11/18/19	Analyzed: 12/02/19		
Ethylene oxide	ND	ppbv				U
Batch B9L0307 - Summa Canister Prep						
Blank (B9L0307-BLK1)			Prepared: 11/25/19	Analyzed: 12/03/19		
Ethylene oxide	ND	ppbv				U
Batch B9L0408 - Summa Canister Prep						
Blank (B9L0408-BLK1)			Prepared: 11/25/19	Analyzed: 12/04/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9L0408-DUP1)	Source: 9112713-08		Prepared: 11/25/19	Analyzed: 12/05/19		
Ethylene oxide	0.188	ppbv	0.18	7.22	25	
Batch B9L0506 - Summa Canister Prep						
Blank (B9L0506-BLK1)			Prepared: 11/25/19	Analyzed: 12/05/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9L0506-DUP1)	Source: 9120324-10		Prepared: 11/28/19	Analyzed: 12/06/19		
Ethylene oxide	0.736	ppbv	0.71	4.12	25	
Batch B9L1008 - Summa Canister Prep						
Blank (B9L1008-BLK1)			Prepared: 12/09/19	Analyzed: 12/10/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9L1008-DUP1)	Source: 9120324-11		Prepared: 11/28/19	Analyzed: 12/10/19		
Ethylene oxide	0.151	ppbv	0.16	5.04	25	



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**REPORTED:** 12/12/19 14:45

**SUBMITTED:** 11/26/19 to 12/03/19

**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

Analyte	Result	Units	% Difference	Limit (%)	Notes		
Air Toxics by EPA Compendium Me	thod TO-15 - (	Quality Contro	 I				
Sequence 1912002							
Calibration Check (1912002-CCV1)		F	Prepared & Analyzed	d: 12/02/19			
Ethylene oxide	2.69	ppbv	7.7	30.00			
Sequence 1912011							
Calibration Check (1912011-CCV1)	Prepared & Analyzed: 12/03/19						
Ethylene oxide	2.66	ppbv	6.5	30.00			
Sequence 1912012							
Calibration Check (1912012-CCV1)	Prepared & Analyzed: 12/04/19						
Ethylene oxide	2.85	ppbv	14.0	30.00			
Sequence 1912015							
Calibration Check (1912015-CCV1)		F	Prepared & Analyzed	i: 12/05/19			
Ethylene oxide	2.84	ppbv	13.4	30.00			
Sequence 1912022							
Calibration Check (1912022-CCV1)	Prepared & Analyzed: 12/10/19						
Ethylene oxide	2.20	ppbv	-12.2	30.00			



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**AQS SITE CODE:** 

SITE CODE: Village of Gurnee

#### **Notes and Definitions**

U Under Detection Limit

LK Analyte identified; Reported value may be biased high.

ND Analyte NOT DETECTED

NR Not Reported

MDL Method Detection Limit
RPD Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrufluoroethane.